



**City of Tigard Comprehensive Plan
Hazards Policy Interest Team Meeting Agenda
July 16, 2007
6:30 – 8:30 pm**

Agenda for Meeting #2

6:30 – 6:45	Welcome Meeting Objectives Introductions	Marissa Daniels, Hazards PIT Staff Leader
6:45– 7:00	Comprehensive Planning Overview - Assembly of Building Blocks to Policies and Action Measures	Marissa Daniels, Hazards PIT Staff Leader
7:00 – 7:45	Overview of Draft Policies and Action Measures Discussion: - additions - changes - deletions	Marissa Daniels, Hazards PIT Staff Leader All
7:45 – 8:10	Evaluation Exercise and Discussion	
8:10 – 8:15	Overview of Planning Commission Workshop and Hearing	Marissa Daniels, Hazards PIT Staff Leader
8:15 – 8:30	Closing Comments Adjourn	

TIGARD COMPREHENSIVE PLAN POLICY BUILDING BLOCKS

REVISED AS OF 6/21/2007

HAZARDS

GOAL: 1. PROTECT PEOPLE AND PROPERTY FROM FLOOD, LANDSLIDE, EARTHQUAKE AND WILDFIRE HA

POLICY BUILDING BLOCKS:	DRAFT POLICIES AND ACTION MEASURES:
<p><u>Policy Principle (Cornerstone):</u> Protect life and property from hazards by preventing or minimizing the risk of hazardous occurrences.</p> <p><u>Other Building Blocks (actions and results):</u></p> <ul style="list-style-type: none"> Prevent development that would pose danger to life and property in areas where hazards cannot be mitigated. (3 green dots) Developers have the burden of proof to show that hazards can be mitigated to the extent necessary not to endanger life and property. (1 green dot, 1 yellow dot) Promote the use of non-structural approaches to hazard mitigation. (2 green dots) Land acquisition priorities on high hazard areas to be used for recreation or open space purposes. (2 green dots) Coordinate land use and public facility planning with public safety providers (law enforcement, fire safety, and emergency service providers) to ensure their capability to respond to hazard events. (3 green dots) 	<p><u>Policies:</u></p> <p>5.1.1 The City shall not allow development in areas having the following development limitations except where it can be shown that established and proven engineering techniques related to a specific site plan will make the area suitable for the proposed development:</p> <ul style="list-style-type: none"> a. Areas having a severe soil erosion potential b. Areas subject to slumping, earth slides, or movement; c. Areas having slopes in excess of 25%; or d. Areas having severe weak foundation soils. <p>5.1.2 The City shall coordinate land use and public facility planning with public safety providers (law enforcement, fire safety, and emergency service providers) to ensure their capability to respond to hazard events.</p> <p>5.1.3 The City shall promote the use of non-structural approaches to hazard mitigation.</p> <p><u>Action Measures:</u></p> <p>5.1.1 Place land acquisition priorities on high hazard areas to be used for recreation or open space purposes.</p>

Comment: Need to clarify the definition of high hazard areas.

<ul style="list-style-type: none"> ▪ Maintain accurate information regarding natural hazard risks and past events. <i>(2 green dots)</i> 	<p>5.1.2 Update and maintain accurate information regarding natural hazard risks and past events.</p>	<p>Comment: Specify which maps are used, need to make it easy for the public to find relevant maps.</p>
<p>POLICY BUILDING BLOCKS:</p> <p><u>Policy Principle (Cornerstone):</u> Public Facilities need protection from destruction or damage by hazardous conditions.</p> <p><u>Other Building Blocks (actions and results)</u></p> <ul style="list-style-type: none"> ▪ Have as a priority hazard protection of public services and facilities that are needed to provide emergency response services. <i>(3 green dots)</i> ▪ Design and construct public facilities to withstand hazardous events. <i>(3 green dots)</i> ▪ Retrofit existing facilities and services to contemporary standards to better withstand natural disasters and hazardous occurrences. <i>(2 green dots)</i> ▪ Community Issue: The citizens of Tigard are concerned about the future of public services, which includes safety, schools and infrastructure. * <i>(1 yellow dot)</i> ▪ Address planning for the protection of public facilities and services from hazards in the Tigard Public Facilities Plan and Community Investment Plan. <i>(1 yellow dot)</i> 	<p>DRAFT POLICIES AND ACTION MEASURES:</p> <p><u>Policies:</u></p> <p>5.1.4 The City shall design and construct public facilities to withstand hazardous events with a priority on hazard protection of public services and facilities that are needed to provide emergency response services.</p> <p><u>Action Measures:</u></p> <p>5.1.3 Address planning for the protection of public facilities and services from hazards in the Tigard Public Facilities Plan and Community Investment Plan.</p> <p>5.1.4 Retrofit existing facilities and services to contemporary standards to better withstand natural disasters and hazardous occurrences.</p>	<p>Comment: What about enforcement on private facilities, i.e. private roads?</p>

POLICY BUILDING BLOCKS:	DRAFT POLICIES AND ACTION MEASURES:	
<p><u>Policy Principle (Cornerstone):</u> Contemporary building codes protect the built environment and human life from natural disasters such as earthquakes and flood events.</p> <p><u>Other Building Blocks (actions and results)</u></p> <ul style="list-style-type: none"> ▪ Apply and enforce building code standards to protect the built environment from natural disasters and other hazards. <i>(3 green dots)</i> ▪ Recognize that existing buildings have not been built to contemporary building code standards and seek ways to encourage their retrofit to modern codes. <i>(2 green dots)</i> 	<p><u>Policies:</u> 5.1.5 The City shall apply and enforce building code standards to protect the built environment from natural disasters and other hazards.</p> <p><u>Action Measures:</u> 5.1.5 Recognize some existing buildings have not been built to contemporary building code standards and seek ways to encourage their retrofit to modern codes.</p>	<p>Comment: Does the City have an inventory of hazardous buildings?</p> <p>Comment: Is the degree of the codes enforced in Tigard above or below average? Should we strive to be above average?</p> <p>Comment: Home Inspections</p>

POLICY BUILDING BLOCKS:	DRAFT POLICIES AND ACTION MEASURES:
<p data-bbox="319 173 688 203"><u>Policy Principle (Cornerstone):</u></p> <p data-bbox="319 206 1010 267">Protect life and property from the growing hazards of urban interface wildfires.</p> <p data-bbox="319 310 831 339"><u>Other Building Blocks (actions and results)</u></p> <ul data-bbox="373 345 1010 880" style="list-style-type: none"> <li data-bbox="373 345 1010 407">▪ Education is a key component in reducing the risk of urban interface wildfire. <i>(2 green dots)</i> <li data-bbox="373 443 1010 576">▪ Tigard Beyond Tomorrow Public Safety Goal 1, strategy #6 is that fire safety education will be effectively promoted in the community. <i>(1 yellow dot)</i> <li data-bbox="373 612 1010 745">▪ Work with the Tualatin Valley Fire and Rescue Community Safety Program to provide information and education about urban interface wildfire to Tigard citizens. <i>(1 green dot)</i> <li data-bbox="373 781 1010 880">▪ Enforce standards requiring the cutting of tall grass and combustible debris removal. <i>(1 green, 1 yellow dot)</i> 	<p data-bbox="1026 173 1129 203"><u>Policies:</u></p> <p data-bbox="1026 206 1656 339">5.1.6 The City shall enforce standards requiring the creation and maintenance of defensible space around habitable structures located in wildfire hazard areas.</p> <p data-bbox="1026 378 1239 407"><u>Action Measures:</u></p> <p data-bbox="1026 410 1722 544">5.1.6 Work with Tualatin Valley Fire and Rescue Community Safety Program to provide information and education about urban interface wildfire to Tigard citizens.</p> <p data-bbox="1026 579 1722 680">5.1.7 Adopt the Tualatin Valley Fire and Rescue Wildfire Hazard Map and implement section R324 of the Oregon Residential Specialty Code.</p>

POLICY BUILDING BLOCKS:	DRAFT POLICIES AND ACTION MEASURES:
<p><u>Policy Principle (Cornerstone):</u> Reduce the risk to people and property from flooding. <i>(1 green dot)</i></p> <p><u>Other Building Blocks (actions and results)</u></p> <ul style="list-style-type: none"> ▪ Comply with The Federal Emergency Management Association (FEMA) flood regulations, which include standards for base flood levels, flood proofing, and minimum finished floor elevations, etc. <i>(2 green dots)</i> ▪ Update flood information as it becomes available. <i>(1 yellow dot)</i> ▪ Comply with Metro Title 3 Functional Plan balanced removal fill requirements. <i>(2 yellow dots)</i> ▪ Protect natural drainageways and wetlands as valuable water retention areas and where possible find ways to restore these areas. <i>(1 green dot)</i> ▪ Community Value: The citizens of Tigard value trees and natural resources and feel that protecting these resources will benefit the community. * <i>(1 green dot)</i> ▪ Emergency access is important to maintain to areas that are subject to flooding. <i>(1 yellow dot)</i> ▪ Minimize impervious surfaces to reduce storm water runoff. <i>(1 yellow dot)</i> 	<p><u>Policies:</u></p> <p>5.1.7 The City shall comply with the Federal Emergency Management Agency (FEMA) flood regulations, which include standards for base flood levels, flood proofing, and minimum finished floor elevations.</p> <p>5.1.8 The City shall prohibit any land form alterations or developments in the 100-year floodplain which would result in any rise in elevation of the 100-year floodplain.</p> <p>5.1.9 The City shall not allow land form alterations or development within the 100-year floodplain outside the zero-foot rise floodway unless:</p> <ol style="list-style-type: none"> The streamflow capacity of the zero-foot rise floodway is maintained, and Engineered drawings and/or documentation shows that there will be no detrimental upstream or downstream effects in the floodplain area. <p>5.1.10 The City shall protect natural drainageways and wetlands as valuable water retention areas and where possible find ways to restore these areas.</p> <p>5.1.11 The City shall comply with Metro Title 3 Functional Plan requirements for balanced fill and removal in the floodplain.</p> <p>5.1.12 The City shall work with Clean Water Services to preserve the natural storm water drainageways to</p>

Comment: This information needs to be easy for residents to access.

<ul style="list-style-type: none"> ▪ Work with Clean Water Services to preserve the natural storm water drainageways to reduce the potential for flooding. <i>(1 green dot)</i> 	<p>reduce the potential for flooding.</p> <p><u>Action Measures:</u></p> <p>5.1.8 Continue to participate in the National Flood Insurance Program.</p>
--	--

POLICY BUILDING BLOCKS:	DRAFT POLICIES AND ACTION MEASURES:
<p><u>Policy Principle (Cornerstone):</u></p> <p>Protect people and property from slow moving and rapidly moving landslides.</p> <p><u>Other Building Blocks (actions and results)</u></p> <ul style="list-style-type: none"> ▪ Retain existing vegetation in areas with landslide potential to the greatest extent possible. <i>(2 green dots)</i> ▪ Enforce standards that prevent or minimize the potential for landslides. <i>(1 green dot)</i> 	<p><u>Policies:</u></p> <p>5.1.13 The City shall retain existing vegetation in areas with landslide potential to the greatest extent possible.</p> <p>5.1.14 The City shall minimize impervious surfaces to reduce storm water runoff.</p> <p><u>Action Measures:</u></p>

POLICY BUILDING BLOCKS:

GOAL: 2. PROTECT PEOPLE AND PROPERTY FROM NON-NATURAL HAZARDOUS OCCURRENCES.

POLICY BUILDING BLOCKS:	DRAFT POLICIES AND ACTION MEASURES:
<p><u>Policy Principle (Cornerstone):</u> Non-natural hazardous occurrences can pose danger to human life and property. These events can include:</p> <ul style="list-style-type: none">▪ Mass casualty transportation accidents,▪ Hazardous material releases,▪ Severe storms,▪ Terrorism,▪ Epidemics, and▪ <u>Infestation.</u> <i>(1 green dot)</i> <p><u>Other Building Blocks (actions and results)</u></p> <ul style="list-style-type: none">▪ Design, construct, and manage the surface transportation system to reduce the potential for mass casualty accidents and to provide the ability to evacuate when necessary.▪ Quick response is a key to reducing casualties and property damage from non-natural hazardous occurrences. <i>(1 green dot)</i>▪ Medical treatment capabilities and capacity is important.▪ Communication and coordination among a wide variety of agencies is a key element to respond to human created disasters. Tigard Beyond Tomorrow Public Safety Goal 3, strategy #2 is to	<p><u>Policies:</u></p> <p>5.2.1 The City shall design, construct, and coordinate the surface transportation system to reduce the potential for mass casualty accidents and to provide the ability to evacuate when necessary.</p> <p>5.2.2 The City shall encourage communication and coordination among a wide variety of agencies to respond to human created disasters.</p> <p><u>Action Measures:</u></p> <p>5.2.1 Update and maintain an inventory of locations where hazardous materials might pose a danger to the public, including storage and transportation areas.</p> <p>5.2.2 Update and maintain the Emergency Operations Plan to ensure essential governance and public safety services are available during a disaster.</p> <p>5.2.3 Work with the Washington County Office of Emergency Management to educate citizens about disaster preparedness.</p> <p>5.2.4 Continue to implement the Community Emergency Response Team (CERT) Program for community members and City staff.</p>

Deleted: and

Deleted: .

coordinate Tigar emergency response providers.
(3 green dots)

- A hazard mitigation plan coordinated with a variety of other agencies including the state and federal government is essential.
- It is important to inventory the locations where the hazardous materials might pose a danger to the public. This includes storage areas and transportation routes. (2 green dots)
- Public education, awareness and self-sufficiency are important.
- The key to recovery is the maintenance of essential governance and public safety services.
- Maintain diverse, healthy, integrated systems. (2 green dots)